

Environmental innovation and international migration of inventors

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We study the role of international migration of inventors from countries specialized in environmental related technologies as a channel of green innovation diffusion. We take advantage of the novel dataset of \cite{PPPD:2019} characterized by the important feature of inventors being uniquely identified across patents. Our results recognize the significance of both immigrant and emigrant inventors in the green innovation activities. We claim that this relationship reflects a causal effect from innovation to migrant inventors, for which we implement instrumental variable approach and confirm the role of both immigrant and emigrant inventors as the technology spillover across countries. Our results are robust to different specifications, including a dynamic version of the model showing that green patents applications depend on past realization on green patent activity. The migrant inventors play a significant role of technology spillover in destination and origin countries in the green technology innovation.